

**REMARKS**

Claims 1-2, 4-7, 9-11 and 13-57 are pending in the present application. Claims 1, 6, 10, 15, 19, 22, 26, 36 45 and 55 are independent.

The claims have been amended to clarify the invention and to correct informalities according to U.S. practice. These modifications are fully supported by the original disclosure, e.g., see paragraphs [31], [45]-[47], [51]-[52], [54]-[58] of the specification and steps S21, S23, and S25 in Fig. 4A, and steps S33 and S35 in Fig. 4B.

**35 U.S.C. § 101 Rejection**

Claims 6-7, 9, 19-21 and 36-44 have been rejected under 35 U.S.C. § 101 because the Examiner alleges the claimed invention is directed to non-statutory subject matter. This rejection, insofar as it pertains to the presently pending claims, is respectfully traversed.

Without acquiescing to the Examiner's allegations made in rejecting these claims, but to advance prosecution only, these claims have been amended as suggested by the Examiner. For instance, in claim 6 and the other medium claims, "A recording medium for recording digital data stream" has been changed to --A recording medium recorded thereon digital data streams--. Also the claims have been amended to further link the function descriptive material to the non-descriptive material by reciting that the managing information is for *managing and accessing* the object. Accordingly, this rejection should be withdrawn.

**35 U.S.C. § 102(e) Rejection**

Claims 1-2, 4-7, 9-11, and 13-57 have been rejected under 35 U.S.C. § 102(e) as being anticipated Kikuchi et al. (U.S. Patent No. 5,870,523). This rejection, insofar as it pertains to the presently pending claims, is respectfully traversed.

Regarding independent claim 1 and similarly recited independent claims 6, 10, 15, 19, 22, 26, 36 45 and 55, the Examiner alleges that Kikuchi et al. discloses each and every feature recited therein. In the previous response filed on June 12, 2006, Applicants have pointed out that Kikuchi et al.'s flags "V\_FWD\_Exist 1" and "V\_FWD\_Exist 2" as shown in Fig. 35B cannot be equated to Applicants' "information indicating whether or not the entry point map associated with the entry point ... exists" as recited, because Kikuchi et al.'s flags indicate whether or not video data exists in the video object unit (VOBU).

In response to above Applicants' argument, the Examiner alleges on page 2 of the last Office Action that Kikuchi et al.'s flag can be broadly interpreted to read on the claimed invention because when Kikuchi et al.'s flag value equals 0, it means there is no video data in the VOBU, which means no pointer exists for jumping purposes. Although Applicants do not agree that Kikuchi et al.'s flag is the same as Applicants' indicating information as recited in each of the independent claims, to expedite prosecution only, each independent claim has now been amended to recite that Applicants' managing information includes "information indicating whether or not an entry point map associated with *an entry point of the object* exists, wherein the *indicating information indicates whether or not the entry point map exists, independent of*

*whether or not the object includes video data*” (emphasis added). This claimed feature is clearly and completely absent from Kikuchi et al. and thus, Kikuchi et al. does not anticipate the claimed invention.

For instance, the indications made by Kikuchi et al.’s flags “V\_FWD\_Exist 1” and “V\_FWD\_Exist 2” vary depending on whether or not video data exists in the VOB. In fact, that is the purpose of Kikuchi et al.’s flags “V\_FWD\_Exist 1” and “V\_FWD\_Exist 2”, which is to indicate whether or not video data exists in the corresponding VOB. Thus, the indications by Kikuchi et al.’s flags are completely dependent on whether or not the video data exists in the corresponding VOB. In clear contrast, in Applicants’ invention, the indicating information is not to indicate whether or not the video data exists in the object, and thus is not affected by this factor. Applicants’ indicating information is to indicate whether or not an entry point map (i.e., some map information associated with an entry point of *an object*) exists.

For instance, in Applicants’ embodied invention, as shown in Figs. 4A and 4B, a SOBI includes an entry point map and a stream object unit grouping type indication flag. The entry point map exists when the stream object unit grouping type indication flag is set to 1, because only when this flag is set to 1, the SOBU is formed based on the random access flag (which means an entry point). If the stream object unit grouping type indication flag is set to 0, then the SOBU is formed based on a time period, which means the map made by this SOBU is not related to the entry point. Thus, according to an embodiment of the present invention, the stream object unit grouping type indication flag indicates whether or not the entry point map associated with

the entry point exists. An example of such map information is discussed in paragraph [47] of the specification.

Furthermore, Kikuchi et al.'s video data flags (V\_FWD\_Exist 1 and V\_FWD\_Exist 2) are included as part of the DSI data as shown in Fig. 25 of Kikuchi et al., which is in a digital data stream, whereas Applicants' information indicating whether or not the entry point map exists is included in the management information, as recited.

Moreover, regarding independent claim 26 and others, the Examiner alleges the time map in Fig. 19 of Kikuchi et al. reads on the map information including "access time information" as recited. However, Fig. 19 of Kikuchi et al. shows a program chain map and does not provide such access time information, as required by the claims.

Accordingly, independent claims 1, 6, 10, 15, 19, 22, 26, 36 45 and 55 and their dependent claims (due to the dependency) are patentable over Kikuchi et al., and the rejection should be withdrawn.

### **Conclusion**

For the foregoing reasons and in view of the above clarifying amendments, the Examiner is respectfully requested to reconsider and withdraw all of the objections and rejections of record, and to provide an early issuance of a Notice of Allowance.

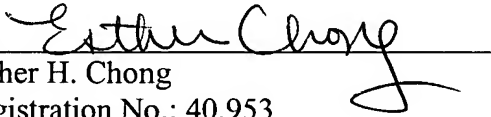
Should there be any outstanding matters which need to be resolved in the present application, the Examiner is respectfully requested to contact Esther H. Chong (Registration No.

40,953) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and further replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

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Respectfully submitted,

By   
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